

**APPENDIX G**

# **PRELIMINARY IMPACT ANALYSIS**

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## **Appendix G** **Preliminary Impact Analysis**

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Appendix G presents the preliminary analysis of environmental impacts for each of the disposal alternatives. This preliminary analysis is intended to support the alternatives selection process and to provide input into the upcoming Environmental Impact Statement (EIS). It is not the full analysis that would be needed for an EIS. A complete EIS will be prepared in 2003 covering the preferred alternative, other reasonable alternatives, and the No Action Alternative. Appendix G is organized by resource in the order listed below:

- G1. Water quality and quantity (surface- and groundwater resources)
- G2. Biological resources
- G3. Geology
- G4. Energy resources
- G5. Air quality
- G6. Agricultural production and economics
- G7. Land use
- G8. Aesthetics
- G9. Social issues and environmental justice
- G10. Cultural resources

Table G-1 provides a summary of potential adverse and beneficial impacts of the disposal alternatives for these resources and environmental concerns. The symbols used in this table are:

- +: beneficial impact
- -: adverse impact
- 0: minor or no impact
- ?: unknown

## Appendix G

### Preliminary Impact Analysis

**Table G-1**  
**Estimated Environmental Impact Summary Relative to the No Action Scenario**

Resource	Anticipated Environmental Effect	Out-of-Valley			In-Valley Disposal	
		Ocean Disposal	Delta Disposal			
		Point Estero	Chicps Island	Carquinez Strait		
<b>Water Quality and Quantity</b>	<b>Surface Water</b>					
	Salinity in Delta drinking water intakes	+	0	0	+	
	Water quality in San Joaquin River and tributaries	+	+	+	+	
	Se in Bay-Delta waterfowl	0	-	-	0	
	<b>Groundwater</b>					
	Bare-soil evaporation	+	+	+	+	
	Area affected by shallow-water table	-	-	-	-	
	Groundwater salinity	+	+	+	+	
<b>Biological Resources</b>	Terrestrial Resources	-	-	-	-	
	Aquatic Resources	0	-	-	-	
	Special-Status Species	-	-	-	-	
<b>Geology</b>	Land Subsidence	-	?	?	-	
	Faulting	-	-	-	0	
	Landslides	-	0	0	0	
<b>Energy Resources</b>	Energy Use	-	-	-	-	
<b>Air Quality</b>	Emissions	-	-	-	-	
<b>Agricultural Production and Economics</b>	Agricultural lands in production	+	+	+	+	
	Irrigation and salinity management costs	+	+	+	+	
	Crop yields and revenues	+	+	+	+	
<b>Land Use</b>	<b>Recreation</b>					
	Wildlife viewing/hunting	0	0	0	0	
	Ocean-based recreation	0	0	0	0	
	Delta recreation	0	0	0	0	
	<b>Agriculture</b>	+	+	+	+	
<b>Aesthetics</b>	Visual Characteristics	-	-	-	-	
<b>Social Issues and Environmental Justice</b>	Social Issues	?	?	?	?	
	Environmental Justice	0	0	0	0	
<b>Cultural Resources</b>	Cultural Resource Types	-	-	-	-	

+: beneficial impact  
-: adverse impact

0: minor or no impact  
?: unknown